

MATHEMATICS
Bachelor of Science
(B.S.)

Requirements for Major: At least 37 credit hours in the department, including:

MA 151 Calculus and Analytic Geometry I (5)
MA 152 Calculus and Analytic Geometry II (5)
MA 253 Calculus and Analytic Geometry III (3)
MA 207 Discrete Mathematics (3) (PH 220 Symbolic Logic is a prerequisite)
MA 301 Linear Algebra (3)
Select one of the following (3): MA 340 ANOVA/ Design of Experiments MA 341 Nonparametric Tests/Quality Control MA 346 Regression Analysis
MA 344 Mathematical Statistics I (3)
MA 354 Abstract Algebra (3)
MA 371 Introduction to Real Analysis I (3)
MA 372 Introduction to Real Analysis II (3)
MA 380 Problem Solving Strategies (2) (This is a one credit course taken two times)
MA 388 Capstone Research (1)

One of the following correlated sequences:

PS 261 College Physics I (General Education course) & PS 262 College Physics II
PS 281 General Physics I (General Education course) & PS 282 General Physics II
EC 200 Principles of Microeconomics (General Education course), EC 201 Principles of Macroeconomics (General Education course), BU 342 Organization & Management, & BU 347 Production & Operations Management
EC 200 Principles of Microeconomics (General Education course), EC 201 Principles of Macroeconomics (General Education course), AC 224 Financial Accounting, AC 225 Managerial Accounting, & BU 381 Business Finance
A specially designed sequence approved by the Mathematics' Department Chair

Required Concentration—30 credit hours:

The B.S. degree also requires a 30-hour concentration in the Natural Sciences (Biology, Chemistry, Mathematics & Statistics, Physics & Astronomy, or Computer Information Science). These courses must be in departments other than the major, with at least 20 hours in one department.
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General Education Distribution Requirements (BS):

Humanities (9) (GEHU/GECPA) (Max 6 hours/discipline)	Social Sciences (9) (GESS) (Max 6 hours/discipline)	*Natural Sciences/Mathematics (9) (GENS) (Max 8 Hours or 2 Courses/Discipline)
Fine Arts (3)	Soc. Science 1 (3)	Nat. Science 1 (3-5)
PH 220 (3)	Soc. Science 2 (3)	Nat. Science 2 (3-5)
Humanities 3 (3)	Soc. Science 3 (3)	Nat. Science 3 (3-5)

*Math courses do not count toward General Education for a Mathematics major.

Core University/BS-Specific Requirements:

WU 101 (3)* C or Better		Science Concentration (30 with 20 in one Discipline)	
EN 101 (3) C or Better		Hours Outside Major (72)	
EN 300 (3) C or Better		Upper Division (300 and above) (45)	
MA 112 or MA 116 (3)** C or Better		Hours Within Arts and Sciences (84)	
		Total Hours (120)	
>= 2.0 Overall Cumulative GPA		>= C Grade All Major and Correlated Courses	

**Students transferring with 24 or more credit hours completed at an accredited post-secondary institution (after graduating from High School) with a GPA of 2.0 or higher are exempt from this requirement*

***May be waived if the student successfully places into a higher-level mathematics course with an ACT score of 25 or higher and then successfully completes that course with a grade of C or higher or if a student presents an ACT score in mathematics of at least 28 (SAT of at least 640)*